

CLAIMS

What is claimed is:

- 1 1. A method, including:
2 selecting a group of contiguous communications channels having a specified
3 number of channels, a center channel, and a control channel.
- 1 2. The method of claim 1, wherein selecting the group further includes:
2 selecting at least a portion of the contiguous communications channels to
3 include the center channel and the control channel.
- 1 3. The method of claim 2, further including:
2 alternately selecting an additional channel not included in the portion on an
3 opposite side of the center channel as the control channel, and on a same side of
4 the center channel as the control channel, until the specified number of channels
5 is selected.
- 1 4. The method of claim 2, further including:
2 alternately selecting an additional channel not included in the portion on a
3 same side of the center channel as the control channel, and on an opposite side
4 of the center channel as the control channel, until the specified number of
5 channels is selected.
- 1 5. The method of claim 1, wherein selecting the group further includes:
2 selecting the control channel to overlap a legacy channel.
- 1 6. The method of claim 1, further including:
2 determining whether a legacy channel is overlapped by the group.

- 3 7. The method of claim 1, wherein the group is selected according to an
4 Institute of Electrical and Electronic Engineers 802.11 standard.
- 1 8. An article including a machine-accessible medium having associated
2 information, wherein the information, when accessed, results in a machine
3 performing:
4 selecting a group of contiguous communications channels having a specified
5 number of channels, a center channel, and a control channel.
- 1 9. The article of claim 8, wherein selecting the group further includes:
2 selecting the center channel to be the same as the control channel with the
3 specified number of channels equal to one.
- 1 10. The article of claim 8, wherein selecting the group further includes:
2 selecting the control channel to overlap a legacy channel; and
3 selecting the center channel to be different from the control channel.
- 1 11. The article of claim 8, further including:
2 selecting the group to have the specified number of channels approximately
3 centered on the center channel.
- 1 12. The article of claim 8, wherein the group is selected in accordance with an
2 Institute of Electrical and Electronic Engineers 802.11 standard.
- 1 13. A method, including:
2 selecting a first group of contiguous communications channels using a
3 specified control channel and a signed extension channel offset.
- 1 14. The method of claim 13, wherein selecting the first group further includes:

2 selecting only the control channel with a signed extension channel offset of
3 zero.

1 15. The method of claim 13, wherein a number of channels in the first group is
2 equal to an absolute value of the signed extension channel offset plus one

1 16. The method of claim 13, wherein selecting the first group further includes:
2 selecting the control channel to overlap a legacy channel.

1 17. The method of claim 13, further including:
2 selecting a second group of contiguous communications channels having at
3 least one of a different specified control channel and a different signed extension
4 channel offset upon detection of a legacy channel overlapped by the first group.

1 18. The method of claim 13, wherein the first group is selected according to an
2 Institute of Electrical and Electronic Engineers 802.11 standard.

1 19. An article including a machine-accessible medium having associated
2 information, wherein the information, when accessed, results in a machine
3 performing:
4 selecting a group of contiguous communications channels having a specified
5 control channel and a signed extension channel offset.

1 20. The article of claim 19, wherein a value of the signed extension channel
2 offset is selected from an integer.

1 21. The article of claim 19, wherein the group is selected to prevent overlapping
2 a legacy channel.

1 22. The article of claim 19, wherein a positive value of the signed extension
2 channel offset refers to a frequency spectrum above a spectrum including the
3 control channel, and wherein a negative value of the signed extension channel
4 offset refers to a frequency spectrum below the spectrum including the control
5 channel.

1 23. The article of claim 19, wherein the group is selected according to an
2 Institute of Electrical and Electronic Engineers 802.11 standard.

1 24. An apparatus, including:
2 a channel selection module to select a group of contiguous communications
3 channels having a specified control channel and a signed extension channel
4 offset.

1 25. The apparatus of claim 24, further including:
2 a determination module to determine the existence of legacy channels
3 overlapped by the group.

1 26. The apparatus of claim 24, further including:
2 a memory to couple to the channel selection module and to store an
3 indication of the group.

1 27. The apparatus of claim 24, further including:
2 a memory to couple to the channel selection module and to store an
3 indication of at least one overlapped legacy channel.

1 28. A system, including:
2 a channel selection module to select a first group of contiguous
3 communications channels having a specified control channel and a signed
4 extension channel offset; and

5 a display to display information, wherein at least a portion of the information
6 is to be communicated using the first group.

1 29. The system of claim 28, further including:

2 an energy conduit to couple to the group and selected from one of an
3 omnidirectional antenna, an infra-red transmitter, and an infra-red receiver; and
4 a transceiver to couple to the energy conduit and to communicate
5 information using the first group.

1 30. The system of claim 28, wherein the channel selection module is to select a
2 successive group of contiguous communications channels upon detection of an
3 overlapped legacy channel by the first group.